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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/089,058	
	Filing Date	October 4, 2000	
	First Named Inventor	Curtis Braun	
	Group Art Unit	Unknown as of Yet	
	Examiner Name	Unknown as of Yet	
Total Number of Pages in This Submission	8	Attorney Docket Number	10447-22

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ENCLOSURES (check all that apply)		
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	* - in addition to the 4 pages being submitted, 143 references (patents and publications) are enclosed	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Micheline Gravelle, Registration No. 40,261
Signature	<i>M. Gravelle</i>
Date	October 29, 2002

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Micheline Gravelle B.Sc., M.Sc. (Immunology.)
416 957 1682 mgravelle@bereskinparr.com

Your Reference: 10/089,058
Our Reference: 10447-22

The Commissioner of Patents
& Trademarks
Washington, D.C. 20231
U.S.A.

Dear Sir:

Re: FILING OF AN INFORMATION DISCLOSURE STATEMENT
United States Patent Application No. 10/089,058
Filing Date: October 4, 2000
Entitled: Improved Ricin-Like Toxins for Treatment of Cancer
Inventors: Curtis Braun, Admir Purac and Thor Borgford

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, Applicant hereby submits an Information Disclosure Statement on Form PTO-1449 containing a listing of patents and other publications of which Applicant is aware. Applicant is also submitting the references listed on the Information Disclosure Statement.

All of the patents and publications submitted herewith are in the English language and accordingly a concise explanation of the relevance of the documents is not required.

The Examiner is requested to indicate consideration of these documents by initialling the appropriate column. Applicant reserves the right to contest the applicability of any of these documents as prior art against the subject application.

please send your reply to:

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Meadowvale Corporate Centre, 2000 Argentia Road
Plaza 4, Suite 430, Mississauga, Ontario, Canada L5N 1W1
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This Information Disclosure Statement is being filed within three months of the filing of the application or before the mailing date of a first Office Action on the merits; therefore, no fee is required.

If the Examiner has any questions concerning this Information Disclosure Statement, he is requested to contact the undersigned. If it is determined that this Information Disclosure Statement has been filed under the wrong rule, the Patent and Trademark Office is requested to consider this Information Disclosure Statement under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 02-2095.

If additional fees are required, please charge the fees to our Deposit Account No. 02 2095.

Respectfully submitted,

**Curtis Braun, Admir Purac
& Thor Borgford**

A handwritten signature in black ink, appearing to read "M. Gravelle". The signature is fluid and cursive, with the first letter "M" being large and prominent.

Micheline Gravelle
Registration No. 40,261

Bereskin & Parr
Box 401, 40 King Street West
Toronto, Ontario
Canada M5H 3Y2

(416) 364-7311

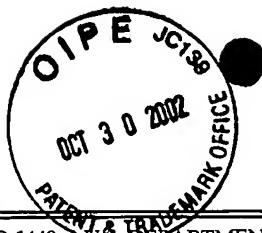


Form PTO-1449 (REV. 2-32)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: 10447-022		SERIAL NO.: 10/089,058	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANTS: Curtis Braun et al.		GROUP: RECEIVED TECH CENTER 1600/2900 MAR 06 2003	
				FILING DATE: October 4, 2000			
U.S. PATENT DOCUMENTS							
*EXA-MINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILED DATE IF APPROVED
		4,869,903	1989-09-25	Lifson et al.			
		5,101,025	1992-03-31	Piatak Jr. et al.			
		5,128,460	1992-07-07	Piatak Jr. et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	<u>TRANSLATION</u> YES NO
		EP 145,111	1992-01-15	Europe			
		EP 466,222	1985-06-19	Europe			
		WO89/04839	1989-06-01	PCT			
		WO94/18332	1994-08-18	PCT			
		WO97/41233	1997-11-06	PCT			
		WO98/49311	1998-11-05	PCT			
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)							
	1.	Abad-Zapatero, C. et al., <i>Protein Sci.</i> 5:640-652 (1996)					
	2.	Allured, V.S. et al., <i>Proc. Natl. Acad. Sci. USA</i> 83:1320-1324 (1986)					
	3.	Bever Jr., C.T., Panitch, H.S., and Johnson, K.P. (1994) <i>Neurology</i> 44(4), 745-8.					
	4.	Blackman, M.J. et al. (<i>Mol. Biochem. Parasitol.</i> 62:103-114 (1995 or 1993?))					
	5.	Blaha, I. et al., <i>FEBS Lett.</i> 309:389-393 (1992)					
* EXAMINER: Initial if citation considered, whether or not citation is in accordance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



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	6.	Blum, J.S. et al., <i>J. Biol. Chem.</i> 266: 22091-22095 (1991)			
	7.	Bonifacino, J.S., <i>Nature</i> 384: 405-406 (1996)			
	8.	Carvalho, K. et al., <i>Biochem. Biophys. Res. Comm.</i> 191:172-179 (1993)			
	9.	Chirgwin et al., <i>Biochemistry</i> 18, 5294-5299 (1979)			
	10.	Cohen, P., Graves, H.C., Peehl, D.M., Kamarei, M., Giudice, L.C., and Rosenfeld, R.G. (1992) <i>Journal of Clinical Endocrinology and Metabolism</i> 75(4), 1046-53.			
	11.	Collier, R.J. & Kandel, J., <i>J. Biol. Chem.</i> 246:1496-1503 (1971)			
	12.	Collier, R.J. et al., <i>J. Biol. Chem.</i> 257:5283-5285 (1982)			
	13.	Columblatti, M. et al., <i>J. Biol. Chem.</i> 261:3030-3035 (1986)			
	14.	Conover, C.A. and De Leon, D.D., <i>J. Biol. Chem.</i> 269(10), 7076-80 (1994)			
	15.	Cook, J.P. et al., <i>Bioconjugate Chem.</i> 4, 440-447 (1993)			
	16.	Cooper, J.A. and Bujard, H. (<i>Mol. Biochem. Parasitol.</i> 56:151-160 (1992)			
	17.	Cutfield, S.M. et al., <i>Biochemistry</i> 35:398-410 (1995)			
	18.	Demeure, M.J. et al., <i>World J. Surg.</i> 16:770-776 (1992)			
	19.	Dilannit, 1990, <i>J. Biol. Chem.</i> 285: 17345-17354 (1990)			
	20.	Emmanuel, F. et al., <i>Anal. Biochem.</i> 173: 134-141 (1988)			
	21.	Endo, Y. & Tsurugi, K. J., <i>Biol. Chem.</i> 262:8128 (1987)			
	22.	Fiani, M.L. et al., <i>Arch. Biochem. Biophys.</i> 307: 225-230 (1993)			
	23.	Funmatsu et al., <i>Jap. J. Med. Sci. Biol.</i> 23:264-267 (1970)			
	24.	Fusek, M. et al. (<i>FEBS Lett.</i> 327:108-112 (1993)			
	25.	Garred, O. et al. (<i>J. Biol. Chem.</i> 270:10817-10821 (1995)			
	26.	Gluzman, Y. (1975) <i>Cell</i> , 23, 175 - 182)			
	27.	Goldberg, D.E. et al. (<i>J. Exp. Med.</i> 173:961-969 (1991)			
	28.	Gray, G.L. et al., <i>Proc. Natl. Acad. Sci. USA</i> 81:2645-2649 (1984)			
	29.	Greenfield, L. et al., <i>Proc. Natl. Acad. Sci. USA</i> 80:6853-6857 (1983)			
	30.	Halling, K. et al. <i>Nucleic Acids Res.</i> 13:8019 (1985)			
	31.	Hansen, G., Schuster, A., Zubrod, C., and Wahn, V. (1995) <i>Respiration</i> 62(3), 117-24			
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)			
32.	Hirowatari, Y. et al., <i>Arch. Virol.</i> 133:349-356 (1993)		
33.	Hirowatari, Y. et al., <i>Anal. Biochem.</i> 225:113-120 (1995)		
34.	Holmberg, K. and Myer, R., <i>Scand. J. Infect. Dis.</i> 18:179-192 (1986)		
35.	Honn, K.V. et al. (<i>Biochem. Pharmacol.</i> 34:235-241 (1985)		
36.	Jewell, D.A. et al., <i>Biochemistry</i> 31:7862-7869 (1992)		
37.	Krane, S.M., <i>Ann. N.Y. Acad. Sci.</i> 732:1-10 (1994)		
38.	Lamb and Lord, <i>Eur. J. Biochem.</i> 14:265-270 (1985)		
39.	Leppla, S.H. et al. (Bacterial Protein Toxins <i>zbl.bakt.suppl.</i> 24:431-442 (1994)		
40.	Liu F. & Roizman, B. (<i>J. Virol.</i> 65:5149-5156 (1991)		
41.	Long, A.C. et al., <i>FEBS Lett.</i> 258:75-78 (1989)		
42.	Lord, J.M., <i>Eur. J. Biochem.</i> 146:411-416 (1985)		
43.	Lord, J.M., <i>Eur. J. Biochem.</i> 146:403-409 (1985)		
44.	Lord, J.M. et al., <i>FASAB Journal</i> 8:201-208 (1994)		
45.	Mackay, A.R. et al. <i>Lab. Invest.</i> 70:800-806 (1994)		
46.	May, M.J. et al. <i>Embo. Journal</i> , 8:301-308 at 302-303 (1989)		
47.	McKerrow, J.H. et al., <i>J. Biol. Chem.</i> 260:3703-3707 (1985)		
48.	McPherson, R.A. et al. (<i>Mol. Biochem. Parasitol.</i> 62:233-242 (1993)		
49.	Mikkelsen, T. et al. <i>J. Neurosurg.</i> 83:285-290 (1995)		
50.	Moore, D.H. et al. <i>Gynecol. Oncol.</i> 65:78-82 (1997)		
51.	Muller, H.L., Oh, Y., Gargosky, S.E., Lehnbecher, T., Hintz, R.L., and Rosenfeld, R.G. (1993) <i>Journal of Clinical Endocrinology and Metabolism</i> 77(5), 1113-9.		
52.	Nakano et al. (1995) <i>J. of Neurosurgery</i> 83(2), 298-307		
53.	Nwagwu, M. et al. (<i>Exp. Parasitol.</i> 75:399-414 (1992)		
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)					
54.	O'Dea, K.P. et al., <i>Mol. Biochem. Parasitol.</i> 72:111-119 (1995)				
55.	Ogata, M. et al., <i>J. Biol. Chem.</i> 267:25396-25401 (1992)				
56.	Olsnes, S. & Phil, A. in <i>Molecular action of toxins and viruses</i> (eds. Cohen, P. & vanHeyningen, S.) 51-105 Elsevier Biomedical Press, Amsterdam, 1982)				
57.	Olson et al., <i>AIDS Res. and Human Retroviruses</i> 7:1025-1030 (1991)				
58.	Panchal, R.G. et al., <i>Nature Biotechnology</i> 14:852-857 (1996)				
59.	Pastan et al., <i>Annals New York Academy of Sciences</i> 758:345-353 (1995)				
60.	Pastan, I. et al., <i>Annu. Rev. Biochem.</i> 61:331-354 (1992)				
61.	Peng, K-W, et al. <i>Human Gene Therapy</i> , 8:729-738 (1997)				
62.	Pettit, S.C. et al., <i>J. Biol. Chem.</i> 266:14539-14547 (1991)				
63.	Ray, T.L. and Payne, C.D. (<i>Infect. Immunol.</i> 58:508-514 (1990)				
64.	Remold, H.H. et al. (<i>Biochim. Biophys. Acta</i> 167:399-406 (1968)				
65.	Richardson, P.T. et al., <i>FEBS Lett.</i> 255:15-20 (1989)				
66.	Rosenthal, P.J. et al. (<i>J. Clin. Invest.</i> 91:1052-1056 (1993)				
67.	Ruchel, R. et al, <i>Zentralbl. Bakteriol. Mikrobiol Hyg. I Abt. Orig. A.</i> 255:537-548 (1983)				
68.	Rutenber, E. et al. <i>Proteins</i> 10:240-250 (1991)				
69.	Sandvig, K. et al., <i>Biochem. Soc. Trans.</i> 21:707-711 (1993)				
70.	Sandvig, K. & van Deurs, B., <i>FEBS Lett.</i> 346: 99-102 (1994)				
71.	Scarborough, P.E. et al., <i>Protein Sci.</i> 2:264-276 (1993)				
72.	Schreiber, B, et al., <i>Diagn. Microbiol. Infect. Dis.</i> 3:1-5 (1985)				
73.	Schwartz, M.K., <i>Clin. Chim. Acta</i> 237:67-78 (1995)				
74.	Shi, Y.E. et al., <i>Cancer Res.</i> 53:1409-1415 (1993)				
75.	Simmons et al., <i>Biol. Chem.</i> 261:7912 (1986)				
76.	Sloane, B.F. et al. (<i>Proc. Natl. Acad. Sci. USA</i> 83:2483-2487 (1986)				
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)			
77.	Spiess, E. et al., <i>J. Histochem. Cytochem.</i> 42:917-929 (1994)		
78.	Spooner et al., <i>Mol. Immunol.</i> 31:117-125, (1994)		
79.	Thompson, E.W. et al., <i>Breast Cancer Res. Treatment</i> 31:357-370 (1994)		
80.	Vasil, M.L. et al., <i>Infect. Immunol.</i> 16:353-361 (1977)		
81.	Vitetta et al., <i>Science</i> 238:1098-1104(1987)		
82.	Vitetta & Thorpe, <i>Seminars in Cell Biology</i> 2:47-58 (1991)		
83.	Vitetta et al., <i>Immunology Today</i> 14:252-259 (1993)		
84.	Weidner, J.R. et al. (<i>Arch. Biochem. Biophys.</i> 286:402-408 (1991)		
85.	Welch, A.R. et al. (<i>Arch. Biochem. Biophys.</i> 324:59-64 (1995)		
86.	Welch, A.R. (<i>Proc. Natl. Acad. Sci. USA</i> 88:10792-10796 (1991)		
87.	Wellner, R.B. et al. <i>J. Toxicol. Toxin Reviews</i> , 14(4), 483-522 (1995)		
88.	Westby et al., <i>Bioconjugate Chem.</i> 3:377-382 (1992)		
89.	Weston et al., <i>Mol. Biol.</i> 244:410-422 (1994)		
90.	Wiertz, E.J. et al., <i>Nature</i> 384: 432-438 (1996)		
91.	Woessner, J.F., <i>Ann. N.Y. Acad. Sci.</i> 732:11-21 (1994)		
92.	Young, T.N. et al. <i>Gynecol. Oncol.</i> 62:89-99 (1996)		
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